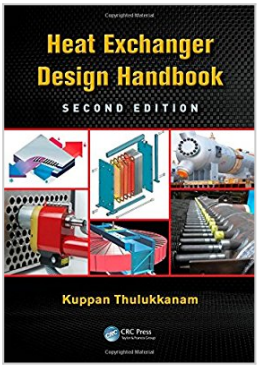

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering)

By Kuppan Thulukkanam

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam

Completely revised and updated to reflect current advances in heat exchanger technology, **Heat Exchanger Design Handbook, Second Edition** includes enhanced figures and thermal effectiveness charts, tables, new chapter, and additional topics—all while keeping the qualities that made the first edition a centerpiece of information for practicing engineers, research, engineers, academicians, designers, and manufacturers involved in heat exchange between two or more fluids.

See What's New in the Second Edition:

- Updated information on pressure vessel codes, manufacturer's association standards
- A new chapter on heat exchanger installation, operation, and maintenance practices
- Classification chapter now includes coverage of scrapped surface-, graphite-, coil wound-, microscale-, and printed circuit heat exchangers
- Thorough revision of fabrication of shell and tube heat exchangers, heat transfer augmentation methods, fouling control concepts and inclusion of recent advances in PHEs
- New topics like EMbaffle®, Helixchanger®, and Twistedtube® heat exchanger, feedwater heater, steam surface condenser, rotary regenerators for HVAC applications, CAB brazing and cupro-braze radiators

Without proper heat exchanger design, efficiency of cooling/heating system of plants and machineries, industrial processes and energy system can be compromised, and energy wasted. This thoroughly revised handbook offers comprehensive coverage of single-phase heat exchangers?selection, thermal design, mechanical design, corrosion and fouling, FIV, material selection and their fabrication issues, fabrication of heat exchangers, operation, and maintenance of heat exchangers ?all in one volume.

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering)

By Kuppan Thulukkanam

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam

Completely revised and updated to reflect current advances in heat exchanger technology, **Heat Exchanger Design Handbook, Second Edition** includes enhanced figures and thermal effectiveness charts, tables, new chapter, and additional topics—all while keeping the qualities that made the first edition a centerpiece of information for practicing engineers, research, engineers, academicians, designers, and manufacturers involved in heat exchange between two or more fluids.

See What's New in the Second Edition:

- Updated information on pressure vessel codes, manufacturer's association standards
- A new chapter on heat exchanger installation, operation, and maintenance practices
- Classification chapter now includes coverage of scrapped surface-, graphite-, coil wound-, microscale-, and printed circuit heat exchangers
- Thorough revision of fabrication of shell and tube heat exchangers, heat transfer augmentation methods, fouling control concepts and inclusion of recent advances in PHEs
- New topics like EMbaffle®, Helixchanger®, and Twistedtube® heat exchanger, feedwater heater, steam surface condenser, rotary regenerators for HVAC applications, CAB brazing and cupro-braze radiators

Without proper heat exchanger design, efficiency of cooling/heating system of plants and machineries, industrial processes and energy system can be compromised, and energy wasted. This thoroughly revised handbook offers comprehensive coverage of single-phase heat exchangers?selection, thermal design, mechanical design, corrosion and fouling, FIV, material selection and their fabrication issues, fabrication of heat exchangers, operation, and maintenance of heat exchangers ?all in one volume.

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam Bibliography

- Sales Rank: #1639661 in Books
- Published on: 2013-05-20
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 7.00" w x 2.50" l, 5.15 pounds
- Binding: Hardcover
- 1260 pages

Editorial Review

Review

"One of the most important strengths I noticed after reading Chapter 1 was the detailed description about the different kinds of heat exchangers. This kind of description is ideal for students and industry professionals. ... Looking at the contents and title, the author has made efforts to cover all aspects of heat exchanger design related to concepts, materials, geometry, fabrication, quality control and maintenance. …. I found it extremely useful as a design reference guide for industry professionals or course text book for engineering students."
—Rajeev Madazhy, Engineering Manager, Taper-Lok, Sugar Land, Texas, USA

"This book succinctly summarizes the essential information needed for thermal-hydraulic design/rating of heat exchangers. The author has done a most credible job of sifting through the vast body of work in the applied heat transfer literature to produce a lucid reference document."
—Dr. Kris Singh, Chief Technology Officer, Holtec International, Marlton, NJ

About the Author

Thulukkanam Kuppan works for the Indian Railway Service of Mechanical Engineers, and is based in Chennai, India. He is author of the successful *Heat Exchanger Design Handbook, First Edition* published by Marcel-Dekker (now CRC Press) in 2000. Kuppan is a noted authority in the area of heat exchangers, pressure vessels, and railway technologies. He has years of practical experience through his work with the Indian Railways, and is well-known in industry and academia in South Asia.

Users Review

From reader reviews:

Katy Pinkham:

The book Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) give you a sense of feeling enjoy for your spare time. You need to use to make your capable considerably more increase. Book can being your best friend when you getting pressure or having big problem using your subject. If you can make looking at a book Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) to get your habit, you can get much more advantages, like add your current capable, increase your knowledge about some or all subjects. You are able to know everything if you like start and read a reserve Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering). Kinds of book are a lot of. It means that, science e-book or encyclopedia or some others. So , how do you think about this reserve?

Eva Burton:

This Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) book is not ordinary book, you have it then the world is in your hands. The benefit you receive by reading this book is definitely

information inside this guide incredible fresh, you will get information which is getting deeper you read a lot of information you will get. This particular Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) without we understand teach the one who examining it become critical in contemplating and analyzing. Don't always be worry Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) can bring any time you are and not make your handbag space or bookshelves' grow to be full because you can have it inside your lovely laptop even phone. This Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) having very good arrangement in word along with layout, so you will not experience uninterested in reading.

Daniel Johnson:

The experience that you get from Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) will be the more deep you looking the information that hide within the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to understand but Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) giving you excitement feeling of reading. The copy writer conveys their point in specific way that can be understood simply by anyone who read the item because the author of this guide is well-known enough. This particular book also makes your vocabulary increase well. It is therefore easy to understand then can go along, both in printed or e-book style are available. We highly recommend you for having this kind of Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) instantly.

Isaac Lewis:

The actual book Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) has a lot details on it. So when you make sure to read this book you can get a lot of gain. The book was published by the very famous author. Tom makes some research ahead of write this book. This specific book very easy to read you will get the point easily after reading this article book.

Read Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam for online ebook

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam books to read online.

Online Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam ebook PDF download

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam Doc

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam Mobipocket

Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam EPub

TDSIM4UONJ2: Heat Exchanger Design Handbook, Second Edition (Mechanical Engineering) By Kuppan Thulukkanam